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Approved for use through 10/31/2002. OMB 0651-0031

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PCT  
H4

		Application Number	09/700,851
		Filing Date	November 17, 2000
		First Named Inventor	Matsumoto, Yoh-Ichi
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
Total Number of Pages in This Submission	18	Attorney Docket Number	019026-000110US

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Copy of Notification of Defective Response
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	Sequence Listing
<input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Joe Liebeschuetz	
Signature		
Date	July 19, 2002	

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: BOX SEQUENCE, PO BOX 2327, ARLINGTON, VA 22202 on this date:

July 19, 2002

Typed or printed name	Paula Faulk Hurley	
Signature		
	Date	July 19, 2002

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PA 3237235 v1



## UNITED STATES PATENT AND TRADEMARK OFFICE

019026-000110USJ0L

Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/700,851	Atsushi Imaizumi	019026 000110US
INTERNATIONAL APPLICATION NO.		
PCT/US99/11179		
IA. FILING DATE	PRIORITY DATE	
05/19/1999	05/20/1998	

Joe Liebeschuetz  
 Two Embarcadero Center 8th Floor  
 San Francisco, CA 94111



CONFIRMATION NO. 3540  
 371 FORMALITIES LETTER



\*OC00000008329865\*

*Response Due 7/21/02 S3P  
 + Sequence Listing*

Date Mailed: 06/21/2002

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Applicant is required to complete the response within a time limit of **ONE MONTH** from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Additionally the following defects have been observed:

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
  - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the

- computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- **APPLICANT MUST PROVIDE:**
  - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
  - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)
- Additional claim fees of **\$552** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$552** for a Large Entity:

- Total additional claim fee(s) for this application is **\$552**
  - **\$92** for 3 independent claims over 3.
  - **\$180** for 23 total claims over 20.
  - **\$280** for multiple dependant claims surcharge.
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

KAYA L LEWIS BALTIMORE

Telephone: (703) 305-3695

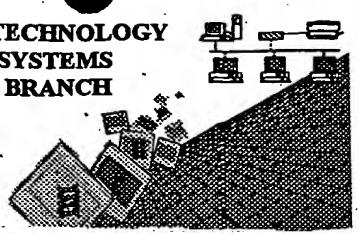
#### PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/700,851	PCT/US99/11179	019026 00011OUS

FORM PCT/DO/EO/916 (371 Formalities Notice)



BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/700,851  
Source: PT/09  
Date Processed by STIC: 4/22/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
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4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT09

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/700,851

DATE: 04/22/2002  
TIME: 15:45:01

Input Set : A:\19026-000110US.app  
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ppr 1-3

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Matsumoto, Yoh-Ichi  
4 Kimura, Tsuyoshi  
5 Imaizumi, Atsushi  
6 Takedo, Tae  
7 Co, May Sung  
8 Vasquez, Maximiliano  
9 TEIJIN LIMITED  
11 <120> TITLE OF INVENTION: HUMANIZED ANTIBODIES THAT RECOGNIZE VEROTOXIN II AND  
12 CELL LINE PRODUCING SAME  
14 <130> FILE REFERENCE: 019026-000110US  
16 <140> CURRENT APPLICATION NUMBER: 09/700851  
> 17 <141> CURRENT FILING DATE: 2001-12-18  
19 <150> PRIOR APPLICATION NUMBER: WO 99/59629  
20 <151> PRIOR FILING DATE: 1999-05-19  
22 <150> PRIOR APPLICATION NUMBER: US 60/086,570  
23 <151> PRIOR FILING DATE: 1998-05-20  
25 <160> NUMBER OF SEQ ID NOS: 8  
27 <170> SOFTWARE: PatentIn Ver. 2.1

## STORED SEQUENCES

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81 <211> LENGTH: 138  
82 <212> TYPE: PRT  
83 <213> ORGANISM: Mus musculus → 12207  
84 <223> OTHER INFORMATION: Figure 1(A). Heavy chain variable region of mouse antibody VTm1.1 (MuVTm1.1). → 12217, 12227, or 12237 is shown  
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93 35 40 45  
94 Ser Ser Tyr Gly Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu  
95 50 55 60  
96 Glu Trp Val Ala Thr Ile Ser Thr Gly Gly Ser Tyr Thr Tyr Tyr Pro  
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99 85 90 95  
100 Ala Leu Tyr Leu Gln Met Ser Ser Leu Arg Ser Glu Asp Thr Ala Ile  
101 100 105 110  
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106  
107

(global error)  
This residue identifier  
is mandatory whenever  
12207, 12217, 12227, or 12237 is shown

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DATE: 04/22/2002  
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169 VTm1.1 antibody (MuVTm1.1).  
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176 20 25 30  
178 Val Thr Pro Gly Asp Ser Val Ser Leu Ser Cys Arg Ala Ser Gln Thr  
179 35 40 45  
181 Ile Ser Asn Asn Leu His Trp Tyr Gln His Lys Ser His Glu Ser Pro  
182 50 55 60  
184 Arg Leu Leu Ile Lys Ser Ala Ser Gln Ser Ile Ser Gly Ile Pro Ser  
185 65 70 75 80  
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188 85 90 95  
190 Ser Val Glu Thr Glu Asp Phe Gly Met Tyr Phe Cys Gln Gln Ser Tyr  
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252 <213> ORGANISM: Mus musculus ↗ 2207 ↘ *insert*  
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254 humanized VTm1.1 antibody (HuVTm1.1).  
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261 20 25 30  
263 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
264 35 40 45  
266 Ser Ser Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
267 50 55 60  
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270 65 70 75 80  
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273 85 90 95  
275 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val  
276 100 105 110  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,851

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336 <213> ORGANISM: Mus musculus ><2207  
337 <223> OTHER INFORMATION: figure 2(B): Light chain variable region of  
338 humanized VTm1.1 antibody (HuVTm1.1).  
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347 Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Thr  
348 35 40 45  
350 Ile Ser Asn Asn Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro  
351 50 55 60  
353 Arg Leu Leu Ile Lys Ser Ala Ser Gln Ser Ile Ser Gly Ile Pro Ala  
354 65 70 75 80  
356 Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser  
357 85 90 95  
359 Ser Leu Glu Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Tyr  
360 100 105 110  
362 Ser Trp Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
363 115 120 125

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/700,851

DATE: 04/22/2002

TIME: 15:45:02

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71 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:4  
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